Syed Moinudeen

https://moinudeen.github.io/
moinu.95@gmail.com | +91-9791055790

EDUCATION

ANNA UNIVERSITY
B.E IN COMPUTER SCIENCE
Grad. 2017 | Chennai, India

LINKS

GitHub: **@moinudeen**
Twitter: **@SyedMoinudeen**
LinkedIn: **syedmoinudeen**

SKILLS

- Python • PyTorch • PySpark
- Transformers • TensorFlow • NumPy
- Sklearn • Pandas • SQL • Django
- Flask • AWS Cloud • GCP Cloud
- SparkML • FastAPI

RESEARCH INTERESTS

Recommendation Systems
Natural Language Processing
Computer Vision
Self Supervised Learning
Unsupervised Learning

COURSEWORK

UNDERGRADUATE
Artificial Intelligence
Machine Learning
Linear Algebra
Calculus
Web Programming
Information Retrieval
Operating Systems
Databases
Object Oriented Algorithms and Design

INTERESTS

Reading Blogs, Research Papers & Kaggle Kernels.
Competitive coding

EXPERIENCE

MAD STREET DEN - VUE.AI | MACHINE LEARNING ENGINEER
May 2017 – Present | Chennai, India
- Joined as an early member of this team, worked on applied ML for multiple products, currently a senior member of the ML team building MadStack, a platform for search and personalization to create compelling experiences.
- My work involves building end to end ML systems for our products, from algorithmic modelling to building engineering infrastructure at scale, Lead efforts to develop multiple microservices by managing/mentoring a small team.

ST.JOSEPH'S INSTITUTE OF TECHNOLOGY | STUDENT DEVELOPER
April 2015 – March 2017 | Chennai, India

- As a Student developer, built software applications and deployed them for multiple use cases. Tech Stack: Ruby On Rails, Django, Python, Tensorflow.
- Mentored juniors and batchmates to develop their skills in Engineering/ML. Conducted workshops/talks to teach new concepts.

PROJECTS

MADSTACK Jun 2020 – Present | Mad Street Den
- Building data pipelines and ML models to power search, personalized recommendations for internet scale data. Pilot with a huge retail company.
- Developed ML models for targeting/segmenting customers to optimize the client's revenue and deliver relevant shopping experiences to the end consumers.
- Collaborated with business and platform teams to build recommendation models for multiple use cases, impacting the revenue by a considerable amount.
- Led development and design efforts for a core ETL module in the madstack.

STRATEGIC OFFICE PROJECTS Jan 2020 – Jun 2020 | Mad Street Den
- Built Applied ML solutions for complex business problems in fintech,sales
- Developed and experimented with NLP and Computer Vision based systems for tasks like classification, Named Entity Recognition, Object Detection, etc.
- Algorithms worked/experimented with: NLP(tf-idf, word2vec, BERT, Transformer, Classical ML algorithms), CV(EfficientNet, ResNet, etc).

VUETAG January 2018 – December 2019 | Mad Street Den
- AI-powered catalog management tool for better product discovery that uses advanced ML to extract features from different forms of data.
- Built classification and detection models with SOTA Deep learning architectures(from AlexNet,VGG to ResNet,EfficientNet,etc), traditional ML models to enable better performance of the product.
- Built engineering systems to serve these models in production, data pipelines, feedback loop systems to improve the efficiency of product delivery.
- Experimented with latest trends in ML research to improve the quality of results. (For ex: used random augmentation strategies to train robust models)

VUECOMMERCE May 2017 – December 2017 | Mad Street Den
- Developed Data Pipelines across microservices to enable 10x faster on-boarding of a client catalog. Tech Stack: AWS services like SQS, EC2, Elasticache and libraries like Celery, Django and SQL Database.
- Improved image search algorithms for visual recommendations.